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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,306	10/24/2003	Kazuo Kuroda	3577-177 Cont.	1491

7590 07/22/2004

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EXAMINER

HINDI, NABIL Z

ART UNIT	PAPER NUMBER
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2655

DATE MAILED: 07/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/693,306

Applicant(s)

KURODA ET AL.

Examiner

NABIL Z HINDI

Art Unit

2655

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-21 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 13-21 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☒ Certified copies of the priority documents have been received in Application No. 08/834,715.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

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Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

In response to applicant's pre-amendment dated Oct 24, 2003. The following action is taken:

The dependency of claim 20 is improper. Claim 65 do not exist in the file. Claim 20 is read to be dependent on claim 17 for examining purposes.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 13-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Fujiie et al (5528569).

The independent claims read on recording dummy information t the beginning or end of a data block (ECC data unit) and the user data recording is interleaved within the dummy data at the beginning or end of the data block. Basically the independent claims read on interleaving the start of user data recording within the dummy data at the end of beginning of the data block. The reference shows an optical disk recording and reproducing apparatus comprising a plurality of ECC data blocks CK-1, CK-2 ... etc, each of the data blocks having 32 data sectors, the data blocks having dummy data at the end thereon (link sectors l1-l5) in order to interleave the user data when recording on the disk.

With respect to the limitations of claims 14 and 18. the dummy information is interleaved with RUN-IN and RUN0OUT dummy data when recording the new information interleaved with the old data.

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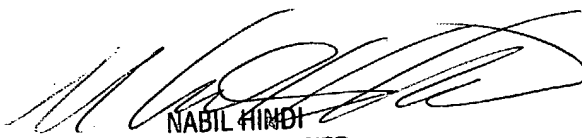
Art Unit: 2655

With respect to the limitations of claims 15 and 19. The claim does not recite the length of the total data amount. Such limitation read on any range of numbers. The reference shows the use of 1.1 sector as an interleave range see column 10 lines 1-20 meeting the claimed invention.

With respect to the limitations of claims 16 and 20. The reference discloses the use of interleaving old data with new data on the disk by using dummy data.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. 6115340.

Any inquiry concerning this communication should be directed to NABIL Z HINDI at telephone number (703) 308-1555.


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